

REMOVAL OF TRANSITION POWER MAINTENANCE SHELTER ENVIRONMENTAL CONTROL UNIT DRAIN PLUG

DOPPLER METEOROLOGICAL RADAR WSR-88D

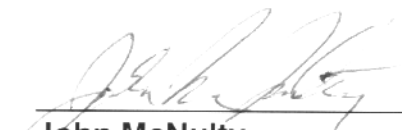


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Data Code: 3118588
Issuance Number: EHB 6-00-06
Issuance Date: 13 June 2000
DoD/NWS Rescission Date: 1 July 2001

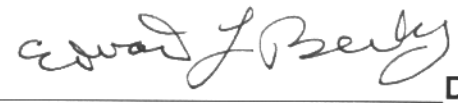
NWS APPROVAL:

 Date 6/13/00
John McNulty
Chief, Engineering Division

DoD APPROVAL:

BY ORDER OF THE SECRETARY OF THE AIR FORCE

MICHAEL E. RYAN, General, USAF
Chief of Staff

 Date 6/15/00
Edward L. Berkowitz, Chief
System Support Branch
Operational Support Facility
TOMA

NWS: EHB-6, Maintenance Note 29
DoD: TO 31P1-4-108-585

1. SUBJECT

Removal of Transition Power Maintenance Shelter Environmental Control Unit (UD60A1) Drain Plug.

2. PURPOSE

The purpose of this document is to provide instructions to remove the water condensation drain plug on the Transition Power Maintenance Shelter (TPMS) Environmental Control Unit (ECU), UD60A1, Carrier Model XHA123D. After a field site noticed water leaking from the ECU, it was discovered the ECU drain plug was not removed during initial ECU installation. The Operational Support Facility (OSF) and ECU manufacturer have requested each site listed in [ATTACHMENT 2](#) remove the drain plug from the ECU.

For additional information concerning this document, contact the OSF Hotline, Norman, Oklahoma; phone number: (800) 643-3363 or (405) 366-2980 or by e-mail at Hotline@osf.noaa.gov. An electronic copy of this document can be found at the following internet address: www.osf.noaa.gov/ssb/sysdoc/techman/tmlinks.htm

3. SITES AFFECTED

See [ATTACHMENT 2](#).

4. ESTIMATED COMPLETION DATE

This maintenance must be completed no later than 60 days after receipt of this document.

5. EQUIPMENT AFFECTED

Transition Power Maintenance Shelter.

6. SPARES AFFECTED

Not applicable.

7. MODIFICATION ACCOMPLISHED BY

Site electronics technician will accomplish this modification. One technician is required to perform these procedures.

8. MATERIAL REQUIRED

None.

9. SOURCE OF MATERIALS

Not applicable.

10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED

Not applicable.

11. TIME AND PERSONNEL REQUIRED

Work Phases	Work-hours
Unpacking	0.0
Disassembly	0.25
Installation	0.0
Assembly	0.0
Operational Check	0.0
Total Work-hours	0.25

12. DOCUMENTS AFFECTED

Not applicable.

13. VERIFICATION STATEMENT

This modification was successfully performed at WSFO Raleigh/Durham, NC, and the OSF.

14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIALS

Not applicable.

15. PROCEDURES

See [ATTACHMENT 1](#).

16. FAA DISTRIBUTION

Not applicable.

17. CHANGES TO TABLE OF CONTENTS (FAA)

Not applicable.

18. RECOMMENDATIONS FOR CHANGES (FAA)

Not applicable.

19. REPORTING INSTRUCTIONS

a. NWS

Report completed modification on WS Form A-26, Engineering Management Reporting System Maintenance Record, according to the instructions in Engineering Handbook No. 4 (EHB-4), Engineering Management Reporting System (EMRS), part 2. Include the following information on the WS Form A-26:

- An Equipment Code of (FAC) in Block 7.
- A Serial Number of 001 in Block 8.
- A Mod No. of M29 in Block 17a.

See [ATTACHMENT 4](#) for a completed sample of WS Form A-26.

b. DoD

Update the AFTO Form 95 to show TCTO compliance. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.

c. All Agencies

Complete [ATTACHMENT 3](#) and fax, mail, or e-mail information to:

- | | |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| (1) Mail Address: | System Support Branch, Logistics Section
Operational Support Facility
3200 Marshall Ave., Suite 101
Norman, Oklahoma 73072-8028 |
| (2) Fax Number: | (405) 366-6553
ATTN: Logistics Section |
| (3) E-mail Address: | Logistics@osf.noaa.gov |
| (4) Web Version: | http://www.osf.noaa.gov/ssb/logistics/complete/ |

ATTACHMENT 1

REMOVAL OF TPMS ENVIRONMENTAL CONTROL UNIT DRAIN PLUG

TOOLS REQUIRED:

Screwdriver, flat-tip, 6-inch

1. Perform the following steps to remove the TPMS ECU drain plug.
 - a. At the ECU UD60A1, unplug the power cord from the wall.
 - b. Proceed to the ECU on the outside of the TPMS.
 - c. At the underside of the ECU, locate the rubber drain plug along the left bottom edge of the ECU ([see Figure 1](#)).
 - d. Using the 6-inch flat-tip screwdriver (or similar tool), gently tap the rubber plug up and back into the condensation drain pan.
 - e. Inside the TPMS shelter, plug the ECU power cord back into the wall outlet.
 - f. This completes the ECU drain plug removal.

ATTACHMENT 1 (Continued)

REMOVAL OF TPMS ENVIRONMENTAL CONTROL UNIT DRAIN PLUG



Figure 1. TPMS ECU Drain Plug Location

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ATTACHMENT 2

EFFECTIVITY

NWS

<u>Site Name</u>	<u>SID</u>	<u>Org Code</u>
Eastern Region		
WSFO Albany, NY	ENX	WN9518
WSO Binghamton, NY	BGM	WN9515
WSFO Boston, MA	BOX	WN9509
WSFO Brookhaven, NY	OKX	WN9912
WSFO Buffalo, NY	BUF	WN9528
WSO Burlington, VT	CXX	WN9617
WSFO Caribou, ME	CBW	WN9712
WSO Charleston, SC	CLX	WN9208
WSFO Columbia, SC	CAE	WN9310
WSFO Philadelphia, PA	DIX	WN9950
WSFO Raleigh/Durham, NC	RAX	WN9306
WSO Roanoke, VA	FCX	WN9954
WSO State College, PA	CCX	WN9925
WSFO Sterling, VA	LWX	WN9931
WSFO Portland, ME	GYX	WN9938
WSO Wilmington, NC	LTX	WN9301
Southern Region		
WSFO Albuquerque, NM	ABX	WP9365
WSFO Atlanta, GA	FFC	WP9219
WSO El Paso, TX	EPZ	WP9270
WSO Houston, TX	HGX	WP9935
WSFO Miami, FL	AMX	WP9918
WSO Mobile, AL	MOB	WP9223
WSO Tallahassee, FL	TLH	WP9214

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ATTACHMENT 2 (Continued)

EFFECTIVITY

<u>Site Name</u>	<u>SID</u>	<u>Org Code</u>
WSO Tampa, FL	TBW	WP9961

Central Region

WSO Aberdeen, SD	ABR	WR9659
WSFO Bismarck, ND	BIS	WR9764
WSFO Denver, CO	FTG	WR9469
WSO Dodge City, KS	DDC	WR9451
WSFO Fargo/Grand Forks, ND	MVX	WR9750
WSO Goodland, KS	GLD	WR9465
WSFO Indianapolis, IN	IND	WR9438
WSFO Louisville, KY	LVX	WR9423
WSFO Minneapolis, MN	MPX	WR9658
WSFO North Platte, NE	LNK	WR9562
WSFO Omaha, NE	OAX	WR9553
WSO Pueblo, CO	PUX	WR9464
WSO Rapid City, SD	UDX	WR9662
WSFO Sioux Falls, SD	FSD	WR9651

Western Region

WSO Billings, MT	BLX	WT9677
WSFO Boise, ID	CBX	WT9681
WSO Eureka, CA	BHX	WT9594
WSO Glasgow, MT	GGW	WT9768
WSFO Great Falls, MT	TFX	WT9950
WSO Las Vegas, NV	ESX	WT9386
WSFO Los Angeles, CA	VTX	WT9295
WSO Pendleton, OR	PDT	WT9688

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ATTACHMENT 2 (Continued)

EFFECTIVITY

<u>Site Name</u>	<u>SID</u>	<u>Org Code</u>
WSO Pocatello, ID	SFX	WT9578
WSFO Portland, OR	RTX	WT9698
WSO Sacramento, CA	DAX	WT9914
WSO San Diego, CA	NKX	WT9918
WSFO San Francisco, CA	MUX	WT9933
WSFO Santa Ana Mts, CA	SOX	WT9918
WSFO Seattle, WA	ATX	WT9922
WSO Spokane, WA	OTX	WT9785

DoD

Andersen AFB, GU	GUA	FE5240
Beale AFB, CA	BBX	FE4686
Camp Humphreys, ROK	KSG	FI5294
Dover AFB, DE	DOX	FE4497
Dyess AFB, TX	DYX	FE4661
Eglin AFB, FL	EVX	FE2823
Ft Drum, NY	TYX	FY4846
Ft Hood, TX	GRK	FY4824
Holloman AFB, NM	HDX	FE4801
Kadena AB, JA	ODN	FH5270
Kunsan AB, ROK	KJK	FH5284
Laughlin AFB, TX	DFX	FE3099
Maxwell AFB, AL	MXX	FE3300
Vance AFB, OK	VNX	FE3029
Vandenberg AFB, CA	VBX	FE4610

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ATTACHMENT 2 (Continued)

EFFECTIVITY

Site Name

SID

Org Code

MISC

OSF Redundant

CRI02

WG4100

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ATTACHMENT 3

REMOVAL OF TPMS ENVIRONMENTAL CONTROL UNIT DRAIN PLUG RETURN FORM

Site Name: _____

Site Identifier: _____

Total Time to Complete this Modification Document: _____

Technician's Name(s): _____

Technician's Phone Number: _____

Date Completed: _____

Problem(s) Encountered:

Upon completion of this form, mail, fax, or e-mail this information to the OSF:

1. Mailing Address: System Support Branch, Logistics Section
WSR-88D Operational Support Facility
3200 Marshall Ave., Suite 101
Norman, OK 73072-8028
2. FAX Number: (405) 366-6553
ATTN: Logistics Section
3. E-mail Address: Logistics@osf.noaa.gov
4. Web Version: <http://www.osf.noaa.gov/ssb/logistics/complete/>

				ENGINEERING MANAGEMENT REPORTING SYSTEM MAINTENANCE RECORD				Document Number G 59983	
General Information		1. Open Date 02 / 01 / 00	Time 0900	2. Initials DKR	3. Response Priority (check one) <input type="radio"/> Immediate <input checked="" type="radio"/> Routine	4. Close Date 02 / 01 / 00	Time 0930		
5. Description REMOVE DRAIN PLUG ON TPMS ENV. CONTROL UNIT I.A.W NEXRAD MAINTENANCE NOTE 29									
Equipment Information		6. Station ID LWX	7. Equipment Code FAC	8. Serial Number 001	9. TM M	10. AT M	11. How Mal. 999		
12. EQUIPMENT OPERATIONAL STATUS TIMES		a. Fully Operational 0:30	b. Logistics Delay 	c. All Other 	d. Logistics Delay 	Not Operational <input type="checkbox"/> e. All Other <input type="checkbox"/>			
13. Parts Failure Information									
Block #	a. ASN	b.	NSN	c. TM	d. AT	e. How Mal.	f. Qty.	g. Maint. Hrs.	Staff Hrs.
1									a. Routine
2									b. Non-routine
3									c. Travel
4									d. Misc. 0:30
5									e. Overtime
Miscellaneous Information		15. Maintenance Comments I.A.W MAINTENANCE NOTE 29: REMOVED DRAIN PLUG ON TPMS AIR CONDITIONER							
17. SPECIAL PURPOSE REPORTING		a. Mod. No. M29	b. Mod./Act./Deact. Date 02/01/00	c.	d.	e.			
18. CONFIGURATION MGMT. REPORTING (use as directed)		ASN	Vendor Part Number (New Part)		Serial Number (Old Part)		Serial Number (New Part)		
		16. Initials DKR							